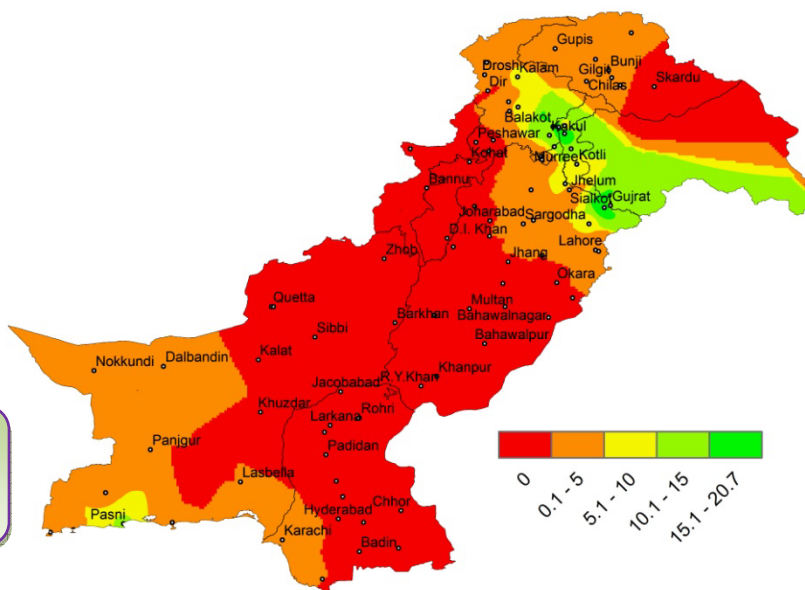


Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the
Previous Week (from 20th to 26th January, 2014)**

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Highlights of Past Weather (20th to 26th January, 2014)

Mainly cold weather was reported from most parts of the country during the week. Province wise distribution of rainfall reported as follows:

- Light to moderate rainfall reported at some places in Punjab and Gilgit-Baltistan & Kashmir regions.
- Light rainfall reported at few places in Balochistan and Khyber Pakhtunkhwa.
- Light rainfall reported at an isolated place in Sindh.

Patron-in-Chief: Arif Mahmood (Director General)
Chief Editor: Dr. Khalid Mahmood Malik (Director)
Editor: Khalida Noureen (Meteorologist)

Past Weather of Provinces (20th to 26th**January, 2014)****Punjab**

Light to moderate rainfall reported at some places in Punjab during the week. Weekly maximum and minimum temperatures recorded 19.2°C & 6.3°C respectively. For the present season average 56.8 growing degree days accumulated by the end of last week. Average relative humidity recorded 75% and wind speed in the morning/evening recorded 0.9/1.5 Knots. During the previous week highest amount of rainfall reported at Sialkot 20.0mm and lowest minimum temperature was recorded -1.0°C at Murree.

Sindh

Light rainfall reported at an isolated place in Sindh during the week. Weekly maximum and minimum temperatures recorded 22.8°C & 8.4°C respectively. For the present season average 75.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 67% and wind speed in the morning/evening recorded 1.3/3.6 Knots. During the previous week highest amount of rainfall reported at Karachi 0.1mm and lowest minimum temperature was recorded 0°C at Moin-Jo-Daro.

Khyber Pakhtunkhwa

Light rainfall reported at few places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 14.7°C & 1.7°C respectively. For the present season average 4.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 62% and wind speed in the morning/evening recorded 0.5/1.0 Knots. The highest amount of rainfall was reported at Balakot 14.0mm and lowest minimum temperature recorded -8.0°C at Parachinar.

Balochistan

Light rainfall reported at few places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 19.4°C & 5.0°C respectively. For the present season average 61.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 55% and wind speed in the morning/evening recorded 1.9/3.2 Knots. During the previous week highest amount of rainfall reported at Pasni 11.0mm and lowest minimum temperature recorded -7.0°C at Kalat.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light to moderate rainfall reported at some places in Gilgit-Baltistan & Kashmir regions during the week. Weekly maximum and minimum temperatures recorded 11.0°C & -0.5°C respectively. For the present season average 26.4 growing degree days accumulated by the end of last week. Average relative humidity recorded 65% and wind speed in the morning/evening recorded 0.7/0.9 Knots. During the previous week highest amount of rainfall reported at Muzaffarabad 20.0mm and lowest minimum temperature recorded -10.7°C at Skardu.

**Past Weather for Major Agricultural Plains
(20th to 26th January, 2014)****Rawalpindi (Potohar region)**

Rainfall reported as 0.4mm during the week; however cloudiness in the morning/evening recorded 3.4/2.2 Oktas while, average relative humidity observed 70%. Mean night time temperature recorded 4.0°C & for the present season 47.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.7/1.0 Knots.

Faisalabad (Central Punjab)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 3.1/3.6 Oktas while average relative humidity observed as 70%. Mean night time temperature recorded 7.4°C & for the present season 61.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.5/1.0 Knots.

Tandojam (Lower Singh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.3/0.8 Oktas while, average relative humidity observed as 69%. Mean night time temperature recorded 7.5°C & for the present season 74.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/1.4 Knots.

Quetta (Northern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.6/4.0 Oktas while, average relative humidity observed as 41%. Mean night time temperature recorded 0.5°C & for the present season 15.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.7/3.5 Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; while, average relative humidity observed as 84%. Mean night time temperature recorded 8.2°C & for the present season 69.8 growing degree days accumulated by the end of last week.

**Past Weather for Sub-Regional Agricultural
Plains (20th to 26th January, 2014)****Rohri**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.4/1.6 Oktas while, average relative humidity observed as 68%. Mean night time temperature recorded 10.3°C & for the present season 55.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/3.4 Knots.

Multan

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 5.5/2.9 Oktas while, average relative humidity observed as 78%. Mean night time temperature recorded 6.7°C & for the present season 43.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/3.1 Knots.

Lahore

Rainfall reported as 2.1mm during the week; however cloudiness in the morning/evening recorded 4.3/4.3 Oktas while, average relative humidity observed as 82%. Mean night time temperature recorded 8.0°C & for the present season 41.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/3.1 Knots.

Zhob

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.3/0.9 Oktas while, average relative humidity observed as 54%. Mean night time temperature recorded 0.7°C by the end of last week. Wind speed recorded in the morning/evening as 4.3/6.1 Knots.

D.I. Khan

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 2.7/0.4 Oktas while, average relative humidity observed as 68%. Mean night time temperature recorded 5.1°C & for the present season 38.6 growing degree days accumulated by the end of last week.

Peshawar

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 2.3/3.1 Oktas while, average relative humidity observed as 69%. Mean night time temperature recorded 4.1°C & for the present season 31.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.1 Knots.

Murree

Rainfall reported as 11.0mm during the week; however cloudiness in the morning/evening recorded 2.3/4.9 Oktas while, average relative humidity observed as 64%. Mean night time temperature recorded 1.1°C by the end of last week. Wind speed recorded in the morning/evening as 8.7/1.4 Knots.

Kalam

Rainfall reported as 6.0mm during the week; however cloudiness in the morning/evening recorded 4.5/6.1 Oktas while, average relative humidity observed as 75%. Mean night time temperature recorded -2.8°C by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.3 Knots.

Gilgit

Rainfall reported as 1.0mm during the week; however cloudiness in the morning/evening recorded 6.2/7.1 Oktas while, average relative humidity observed as 64%. Mean night time temperature recorded -1.0°C by the end of last week.

Skardu

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 6.8/7.0 Oktas while, average relative humidity observed as 77%. Mean night time temperature recorded -7.6°C by the end of last week.

Crop Situation for Major Agricultural Plains
(Based on data from Regional Agromet Centres)

Potohar Region (Rawalpindi)

There is presently one crop (irrigated condition) grown in the fields of RMC Rawalpindi.

Wheat (Chakwal-97): Good condition at 3rd Leaf stage.

Central Punjab (Faisalabad)

There is presently one crop (irrigated condition) grown in the fields of RMC Faisalabad.

Wheat: Good condition at Shooting stage.

Lower Sindh (Tandojam)

There is presently one crop (irrigated condition) grown in the fields of RMC Tandojam.

Wheat (PD-1): Good condition at Shooting stage.

Northern Balochistan (Quetta)

There is presently one crop (irrigated condition) grown in the fields of RMC Quetta.

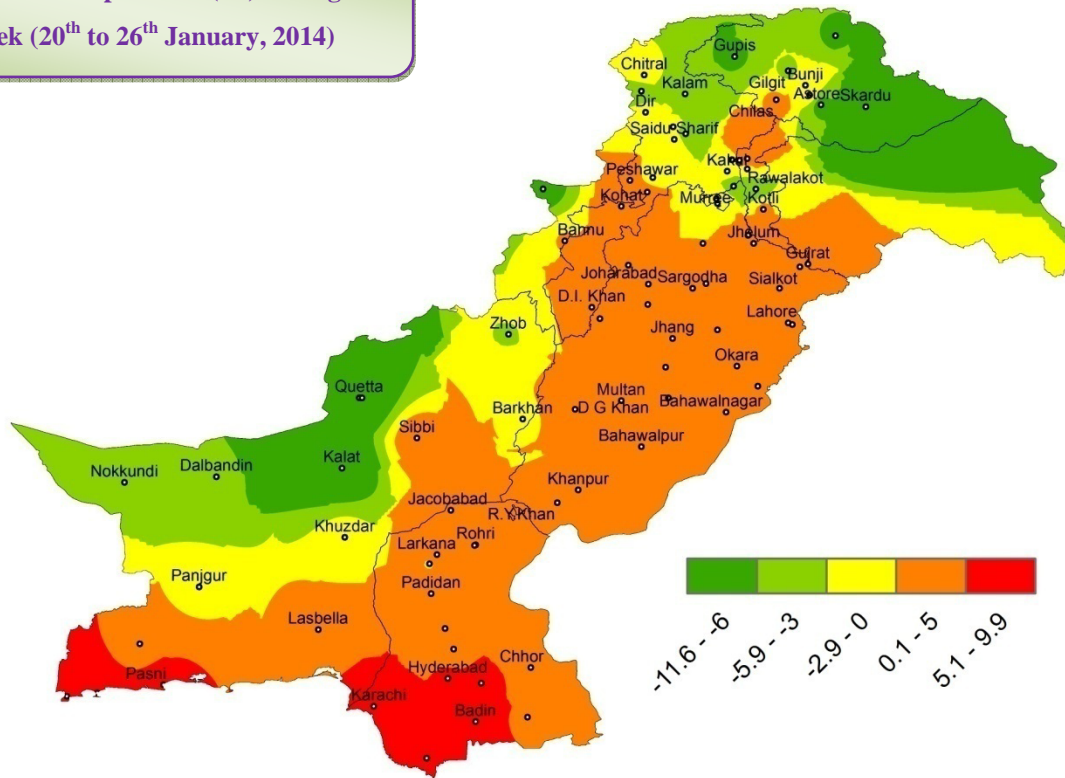
Wheat (Local white): Good condition at 3rd Leaf stage.

Eastern Balochistan (Usta Muhammad)

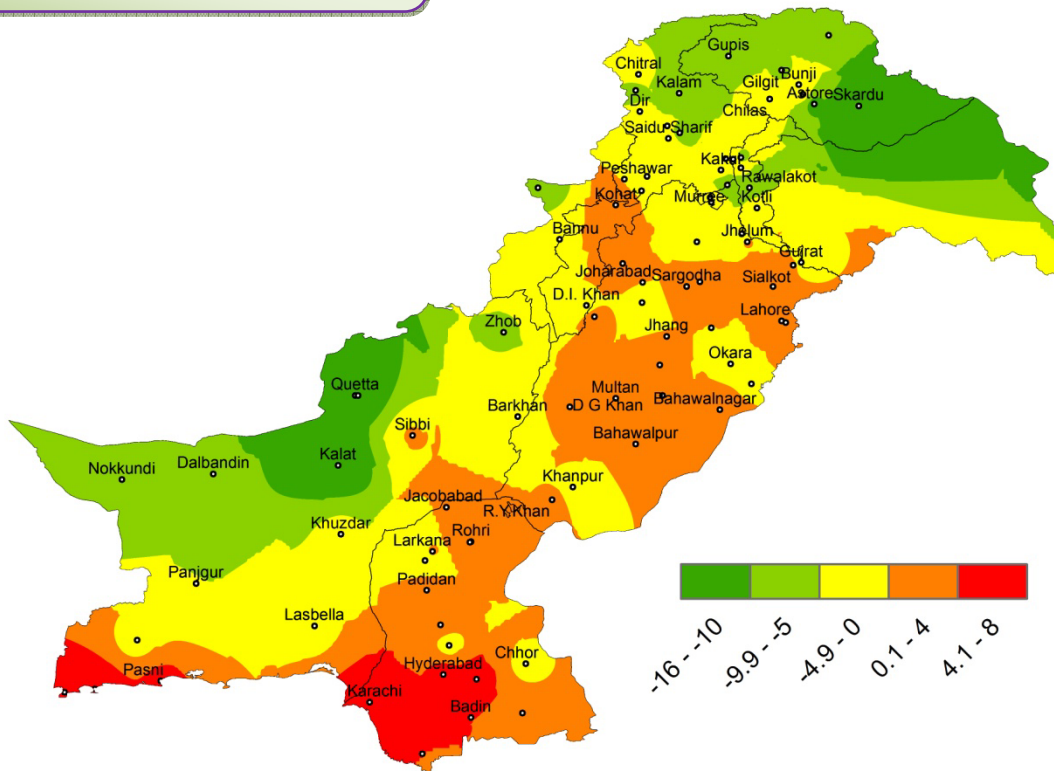
There is presently one crop (irrigated condition) grown in the fields of RMC Usta Muhammad.

Wheat: Good condition at 3rd Leaf stage.

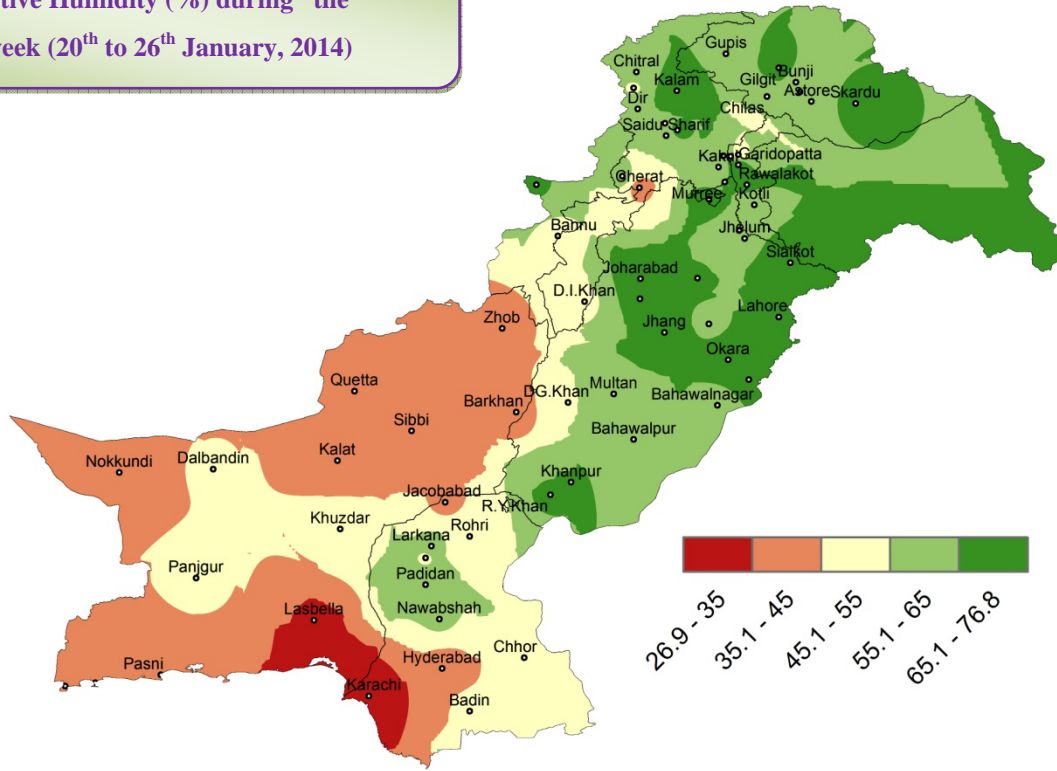
Mean Minimum Temperature (°C) during the Previous week (20th to 26th January, 2014)



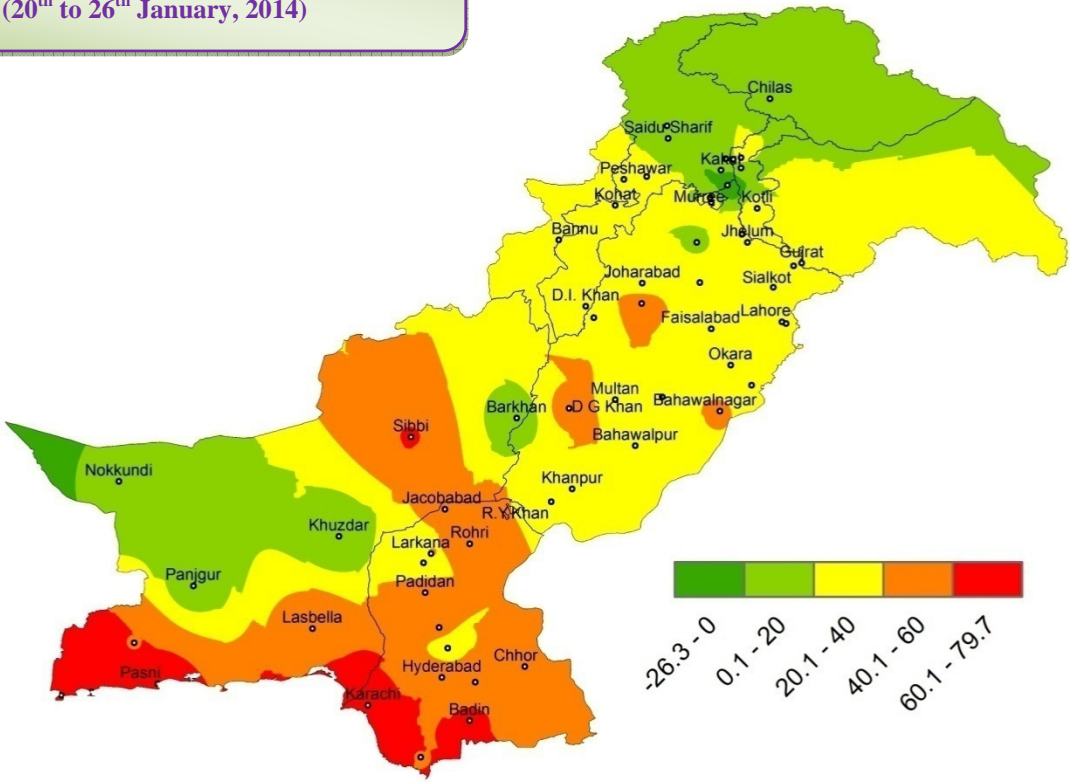
Lowest Minimum Temperature (°C) during the Previous week (20th to 26th January, 2014)



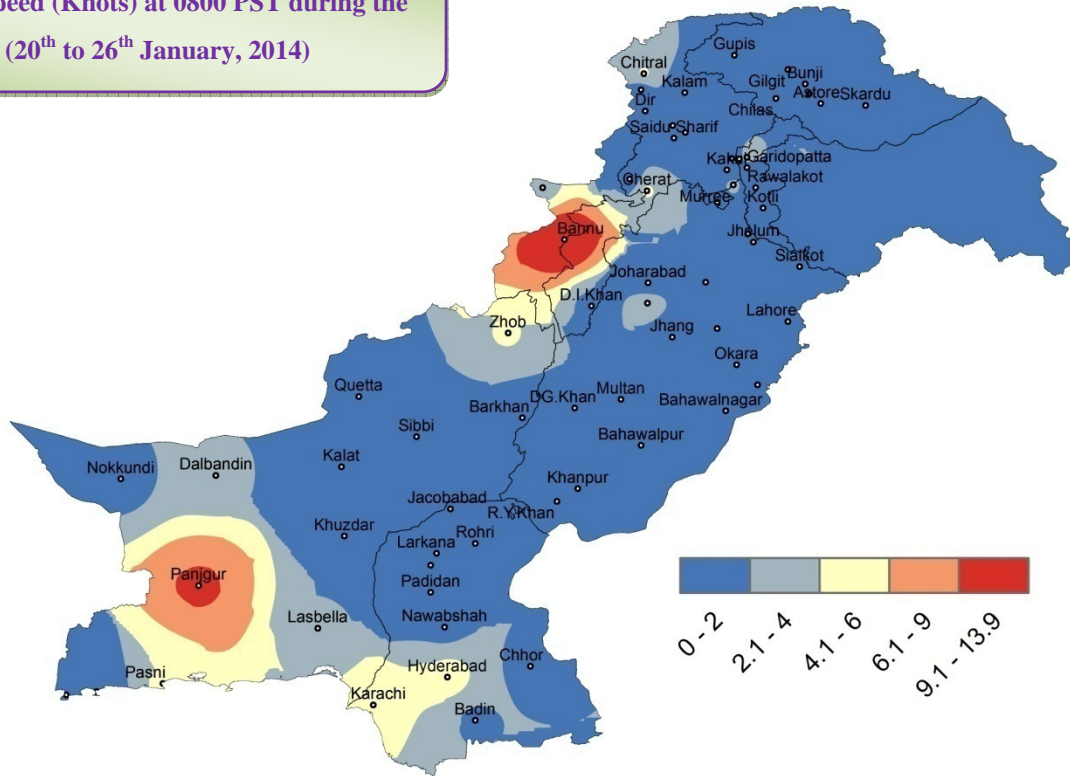
Mean Relative Humidity (%) during the Previous week (20th to 26th January, 2014)



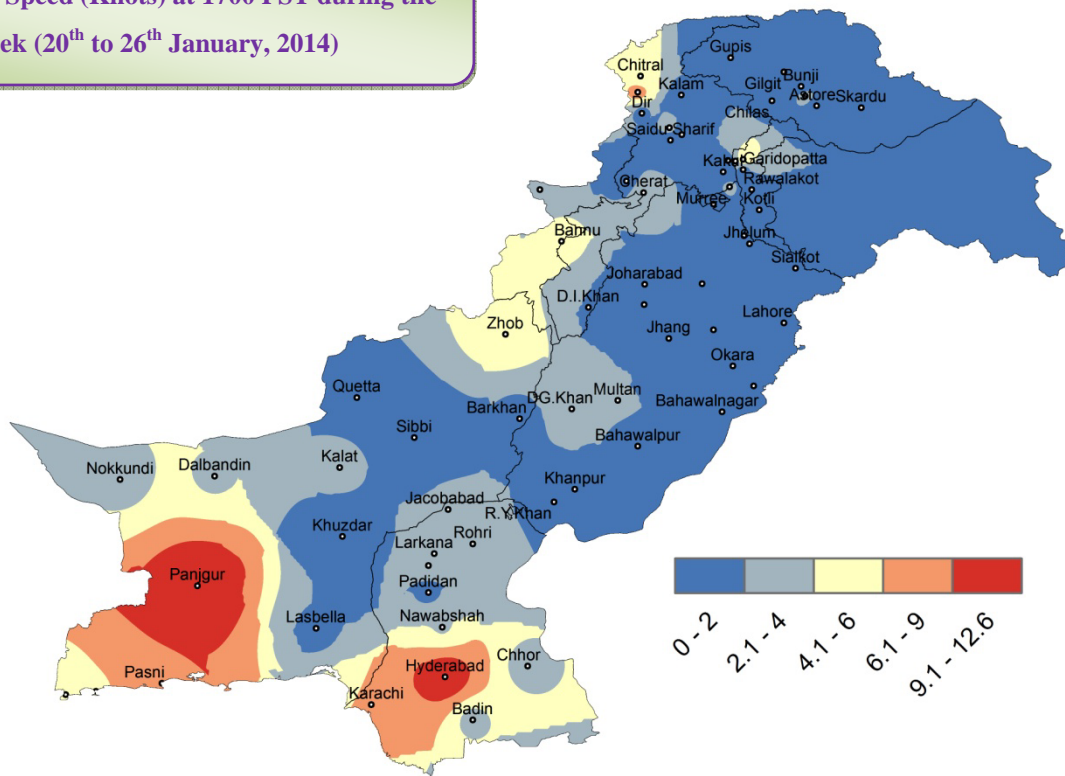
Total Growing Degree Days accumulated during the Previous week (20th to 26th January, 2014)



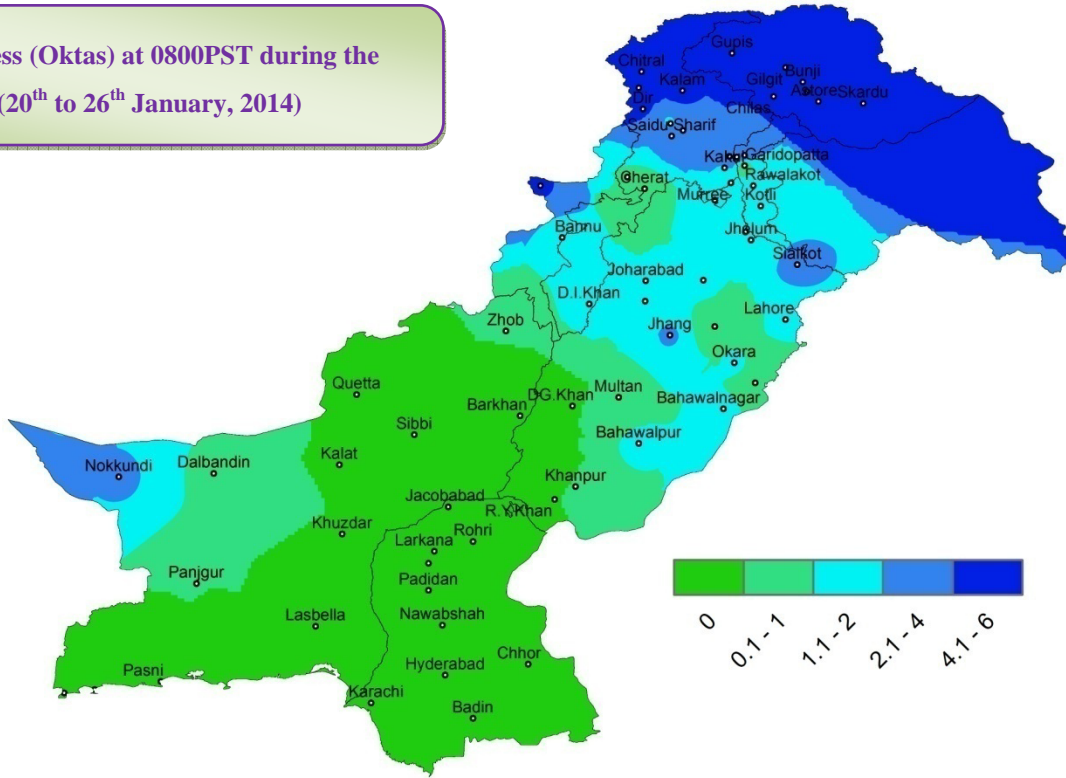
Mean Wind Speed (Knots) at 0800 PST during the Previous week (20th to 26th January, 2014)



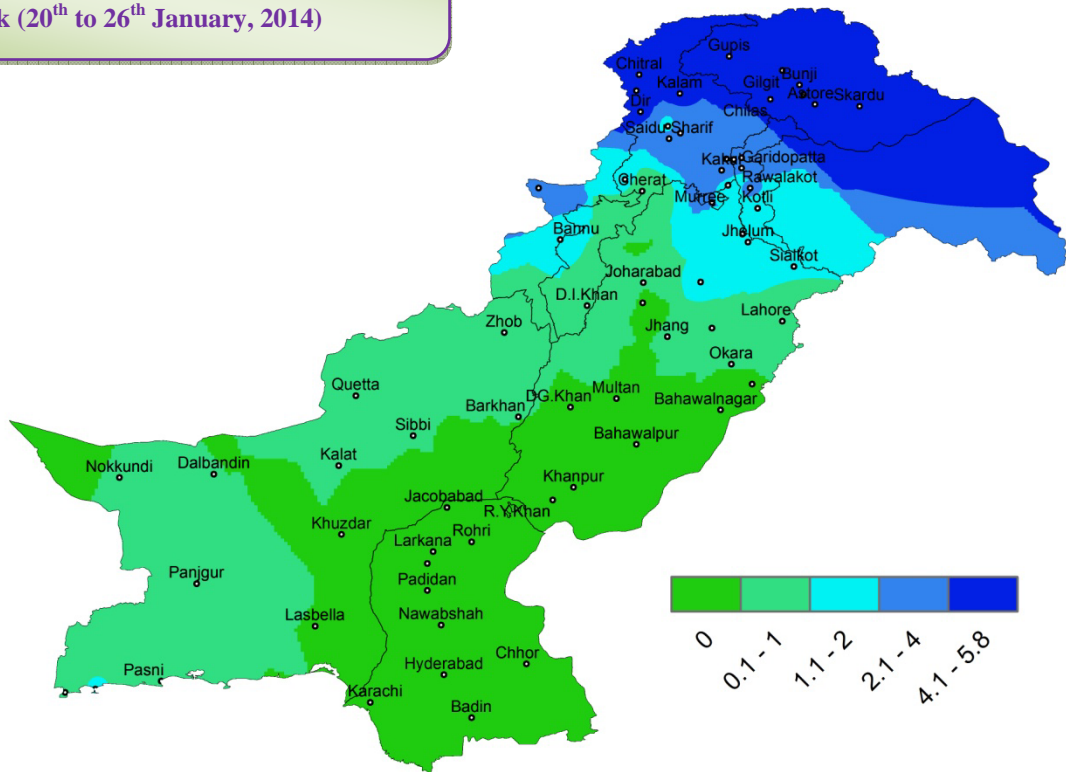
Mean Wind Speed (Knots) at 1700 PST during the Previous week (20th to 26th January, 2014)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (20th to 26th January, 2014)



Mean Cloudiness (Oktas) at 1700PST during the Previous week (20th to 26th January, 2014)



Weekly Weather advisory for Farmers
(From 27th Jan to 2nd Feb, 2014)

Continental air would prevail over most parts of the country during next 4 to 5 days.

A fresh western disturbance is expected to approach western parts of Balochistan & KP on Saturday and extend to upper parts of the country from Sunday that may persist till Tuesday (morning) in the upper parts of country.

Punjab including Islamabad

Mainly cold and dry weather is expected in most parts of the province during the week. However, partly cloudy to cloudy weather conditions would prevail over Islamabad and upper/central Punjab and rain-thunderstorm is expected at isolated places of Islamabad, upper Punjab (Gujranwala, Lahore, Rawalpindi and Sargodha divisions) during Sunday/Monday. Scattered snowfall is also expected over the hills of Murree and Galayat during the period.

Foggy conditions are expected to prevail over a few plain areas of Punjab during morning hours.

Khyber Pakhtunkhwa

Mainly cold (very cold in upper parts) and dry weather is expected in most parts of the province during next 4 to 5 days. However, light rain (snowfall over the hills) may occur at isolated places of upper KP (Malakand and Hazara divisions) during Tuesday/Wednesday.

Rain-thunderstorm with snowfall over the hills is expected at isolated places of KP (Malakand, Hazara, Peshawar, Kohat, Bannu divisions and at one or two places of D.I. Khan division from Saturday to Monday.

Balochistan

Mainly cold (very cold in North Balochistan) and dry weather is expected in most parts of the province till Thursday.

Rain-thunderstorm (with light snowfall over the hills) is expected at scattered places of Makran, Kalat, Quetta and Zhob divisions from Friday (night) to Sunday.

Sindh

Mainly cold and dry weather is expected in most parts of the province during the week. However, partly cloudy weather conditions are expected to prevail in upper parts of province during the weekend.

Foggy conditions are expected to prevail over Sukkur division during morning hours.

Kashmir

Mainly very cold and dry weather is expected in most parts of Kashmir during the week. However mostly cloudy weather conditions with rain (light snowfall over the hills) is expected at scattered places of Kashmir during the weekend.

Gilgit-Baltistan

Mainly very cold and dry weather is expected in most parts of GB during the week; however, mostly cloudy weather conditions with rain (snowfall over the hills) is expected at isolated places of Gilgit-Baltistan on Tuesday/Wednesday and again during the weekend.

Advises for Crops

Cotton: Farmers are advised to manage irrigation practices as per weather prediction during the week.

Wheat: Farmers of cotton crop areas are advised to prepare their fields for incoming Rabi crops and complete the sowing process. Farmers of wheat growing areas are advised to sow their crops in time to get the optimum yield.

Vegetables: Farmers are advised to cultivate winter vegetables in time so that present soil moisture may fully be utilized.

General Information: Farmers of rained areas, obtaining crop water through tube wells are advised to schedule the irrigation according to the expected weather mentioned above during the week. It is advised to ensure field sanitation and spray prophylactic fungicidal sprays to prevent spread of diseases on vegetables.

National Weather Data of Selected Cities**(Weekly Data from 20th to 26th January, 2014)**

Stations	Minimum/Night Temperature (°C)		Growing Deg. Days	Relative Humidity (%)	Rainfall (mm)	Cloudiness (Oktas) 0800PST	Cloudiness (Oktas) 1700PST	Wind Speed (Knots) 0800PST	Wind Speed (Knots) 1700PST
	Mean	Lowest							
Astore	-6.2	-10.5	***	65	0.0	4.3	6.4	0.7	0.6
Badin	9.5	7.5	67.5	52	0.0	0.7	1.7	0.7	4.0
Bahawalnagar	7.9	6.0	49.3	78	0.0	5.8	3.4	0.0	0.9
Bahawalpur	7.0	5.6	46.0	80	0.0	5.6	2.0	0.0	0.6
Balakot	2.7	0.4	11.9	68	14.0	4.2	5.1	0.0	0.0
Bannu	5.3	4.0	33.5	54	0.0	3.2	1.6	0.0	1.7
Barkhan	2.6	1.0	10.8	53	0.0	0.4	1.7	0.0	2.0
Bunji	1.7	-0.6	***	62	5.0	6.2	6.6	0.0	0.6
Cherat	4.5	3.5	***	61	0.0	3.2	4.4	4.3	3.7
Chhor	8.1	7.5	61.0	62	0.0	0.4	1.9	1.7	3.4
Chilas	3.6	3.0	5.0	55	2.1	4.0	4.9	0.0	0.6
Chitral	-0.8	-2.0	***	62	0.3	5.0	6.7	0.0	0.9
DG.Khan	7.5	6.5	57.4	74	0.0	1.4	1.6	2.0	4.6
D.I.Khan	5.1	3.5	38.6	68	0.0	2.7	0.4	0.0	0.0
Dalbandin	4.9	4.0	***	57	2.1	1.7	2.6	2.0	2.6
Dir	0.1	-1.5	***	61	0.0	5.6	6.1	0.0	1.1
Drosh	-2.2	-3.2	***	36	0.0	2.8	6.1	0.0	0.0
Faisalabad	7.4	5.8	61.9	70	0.0	3.1	3.6	0.5	1.0
Garidopatta	1.5	1.0	16.3	69	21.0	1.7	2.0	0.0	0.0
Gawader	10.9	10.0	82.2	64	5.0	2.0	2.6	2.2	5.6
Gilgit	-1.0	-4.0	***	64	1.1	6.2	7.1	0.0	0.0
Gupis	-6.3	-7.0	***	56	0.0	3.4	6.0	2.6	1.7
Hyderabad	10.8	9.0	66.4	59	0.0	0.4	0.7	5.1	9.7
Islamabad	4.2	1.5	21.6	73	0.2	3.7	4.3	1.7	1.7
Jacobabad	8.6	8.5	57.9	75	0.0	0.6	2.0	0.3	0.9
Jhang	5.1	4.0	***	78	0.0	6.0	0.9	0.0	0.6

Jhelum	6.0	4.3	40.9	74	0.2	5.2	4.3	0.0	1.1
Jiwani	13.6	13.0	67.8	71	0.0	2.7	2.3	1.4	4.3
Joharabad	6.0	4.0	50.4	74	0.0	1.4	2.1	0.0	0.9
Kakul	2.1	0.7	***	69	12.0	3.5	4.6	0.0	0.9
Kalam	-2.8	-5.5	***	75	6.0	4.5	6.1	0.0	0.3
Kalat	-3.6	-7.0	***	41	0.0	0.0	2.1	0.3	0.6
Karachi	11.3	10.0	78.3	49	0.1	0.5	1.9	1.7	5.7
Khanpur	6.5	6.0	39.9	72	0.0	1.8	2.3	0.0	1.4
Khuzdar	2.8	1.5	16.3	42	0.0	0.4	1.0	0.6	0.9
Kotli	5.2	2.8	32.1	70	6.0	2.3	3.7	1.8	2.0
Lahore	8.0	6.5	41.6	82	2.1	4.3	4.3	0.3	3.1
Larkana	9.0	7.5	48.6	69	0.0	0.4	0.7	0.9	1.7
Lasbella	8.5	7.0	66.8	57	0.0	0.0	1.7	1.0	2.6
Lower Dir	1.6	-1.0	21.3	67	0.0	3.0	3.1	0.6	2.0
Malam Jabba	-0.4	-3.0	***	65	9.0	4.3	6.1	0.0	0.0
M.B Din	7.8	6.0	42.4	79	1.1	5.7	3.6	0.7	0.9
Mangla	4.4	2.8	33.5	74	11.0	5.1	3.7	0.0	0.0
Mir Khani	1.5	0.5	***	43	0.0	2.0	4.7	0.0	0.0
Moinjodaro	4.6	2.5	36.1	72	0.0	0.0	0.9	0.0	2.6
Multan	6.7	5.3	43.9	78	0.0	5.5	2.9	0.0	3.1
Murree	1.1	-1.0	***	64	11.0	2.3	4.9	8.7	1.4
Muzaffarabad	3.7	1.2	17.1	69	20.0	4.5	4.6	0.0	1.4
Nokkundi	6.4	3.3	8.5	48	5.0	1.8	2.7	2.7	3.1
Noorpurthal	6.3	5.5	47.3	74	0.0	0.5	1.1	0.0	0.0
Okara	7.7	5.3	41.9	77	0.0	5.7	3.4	0.0	1.7
Padidan	8.0	7.0	42.3	72	0.0	0.3	1.4	0.9	1.7
Panjgur	2.8	1.5	6.1	44	0.0	0.7	2.0	5.7	8.9
Parachinar	-7.3	-8.0	***	68	0.0	4.3	4.2	3.0	3.0
Pasni	11.7	10.5	80.7	70	11.0	3.0	3.7	2.3	4.9
Pattan	4.3	3.0	34.1	56	4.0	4.0	5.1	3.0	1.4
Peshawar	4.1	2.8	31.4	69	0.0	2.3	3.1	0.0	1.1

Quetta	0.5	-2.5	15.4	41	0.0	1.6	4.0	2.7	3.5
R.Y.Khan	7.2	5.8	49.2	72	0.0	3.1	1.7	0.3	2.7
Rawalakot	-1.0	-3.0	***	75	14.0	5.3	4.7	0.0	1.1
Rohri	10.3	9.5	55.1	68	0.0	0.4	1.6	0.6	3.4
Rawalpindi	4.0	2.0	47.3	70	0.4	3.4	2.2	0.7	1.0
Sahiwal	5.7	4.0	39.1	78	0.0	4.5	2.7	1.3	2.3
Saidu Sharif	3.4	1.0	12.1	60	4.0	3.3	4.3	0.0	0.0
Sialkot	7.8	5.9	34.7	80	20.0	4.7	4.0	0.0	0.9
Sibbi	9.5	8.0	63.0	54	0.0	0.2	0.0	4.7	0.0
Skardu	-7.6	-10.0	***	77	0.0	6.8	7.0	0.0	0.0
Tandojam	7.5	7.0	74.3	69	0.0	0.3	0.8	0.9	1.4
U.Muhammad	8.2	7.0	69.8	84	0.0	0.0	0.0	0.0	0.0

*** Shows that data was not available.